

**Meeting Description:** Michigan Geographic Framework Users Meeting

**Date:** February 11, 1999 **Time:** 10:00 a.m.

**Location:** Lewis Cass Bldg., 6th Floor, North Wing, Dept. of Management and Budget, Director's Conference Room

Scheduled Time			Actual Time		
Start	Stop	Total Hours	Start	Stop	Total Hours
10:00 a.m.	12:00 p.m.	2	10:00 a.m.	11:30 a.m.	1 1/2

There were no corrections to the January meeting minutes.

## I. Geographic Framework Program

### A. MIC Project Update

#### 1. MALI to GIS Conflation (Phase2) Status

Rob Surber, MIC, distributed a current Phase 2 Status Map. Two counties are still at SEMCOG going through their processes. The rest of the counties are being worked on at the MIC. Phase 2 is the point at which all of MDOT's linear referencing information and road base has been accounted for B this is a significant milestone. DEQ, MDOT, MDNR, and Corrections will be big users of this data and will be using it as part of their attribution work. Many of the other counties in dark pink, are in the downhill side of the work having accounted for all of the linear referencing systems of 1995 MALI. Allegan, Ottawa, Clinton, and Ingham counties are scheduled to be completed soon. There are a couple of snags in Clinton and Ingham counties. They are hoping to complete Phase 2 this month. The MIC is currently completing two counties per week and with the use of DOQs they are hoping to speed up production work. Additional staff has been hired to supplement the work force. They are seeing varying qualities of MALI which require varying amounts of work. MIC had looked at possibly having the University of Georgia do some work since they have done linear referencing work in their state. Our work is a lot different then Georgia's work and they decided not to do it. The MIC has a lot of informal relationships with varying agencies and are going to wait to see if there is interest in those agencies in formally entering into partnerships. Barry County and others have said that they will send information as it changes. The MIC is trying to set up a meeting with Oakland County, Wayne County, SEMCOG and the Census Bureau. That's probably going to be the precursor as to how they continue with partnerships. Rob stated that he would be interested in hearing what kind of a partnership Allegan County would be interested in. Currently, there is not an on-going digital exchange and integration. MDOT is already interested in making sure that certified roads are captured each year, but this will probably not catch all changes.

Pete Coscarelli, MDOT, added that MDOT has to certify all of the counties' systems, so MDOT has the official copy of the counties' road systems which includes number of miles, etc.

Rob Surber, MIC, added that that standard is statewide. The MIC has made all roads up to 1998 Act 51 certification, which is actually for the 1997 calendar year. The 1999 data, for the 1998 year, will come out this fall. MDOT documents only the changes of the last year. Rob stated that they would like to work with the local agencies as well. The MIC will be working on northeast Michigan area soon.

#### 2. County Seaming

Rob Surber, MIC, distributed a County Seaming Update map. There are two phases to this project B topology integration of county lines means that topologically the lines in the counties will be together at the interface - physically they will be together. They are currently working on finishing the Upper Peninsula. Internal counties are not as difficult as shoreline counties. The second part is the attribute seaming to make sure they are consistent across the county lines. They are using DRGs (Digital Raster Graphics) to help with the process.

## B. SEMCOG Project Update

Steve Perry, SEMCOG, distributed a current status report of the Michigan Geographic Framework in Southeast Michigan. He stated that Delores Muller, SEMCOG, is in the process of delivering Monroe County framework by noon today. Wayne County is close to being completed in the conflation cleanup stage.

Rob Surber, MIC, stated that Alden Leatherman, MIC, wrote programs to bring SEMCOG's data into the state structure. It is going well.

## C. Other Framework Initiatives

### 1. Hydrography / Reach

Rob Surber, MIC, stated that the MIC is continuing the research with the Hydrography Reach Pilot. The MIC has met with DEQ and the U.S. Army Corp of Engineers.

Steve Miller, DEQ, stated that they are continuing their plan to do a pilot project this year in the Macatawa Basin area. They are looking at bringing the Reach file to 1:24,000 scale from 1:100,000 scale. John Clark, MDOT, is looking at building it from scratch. There is interest from U.S.G.S. in using this data as a demo for the nation. The Corp is interested in putting money into this project. Right now they are trying to figure out just how big this project is.

Rob Surber, MIC, stated that U.S.G.S. has conflation tools. Rob is not sure how transferable their tools are to the framework project, but the U.S.G.S. is willing to work in it. The NHS (National Hydro Dataset) is priority for U.S.G.S.

Steve Miller, DEQ, stated that Roger Gauthier, U.S. Army Corp of Engineers, wants to look at this from 1:12,000 more detailed perspective, which DEQ will look at, but they want to get it to 1:24,000 first. They want to look at tools to be sure they are going in right direction. They expect to have a more complete accurate system, but probably not the entire state.

Rob Surber, MIC, explained that the Reach concept is similar to what transportation has for milepost for roads. Rivers have the same sort of labeling system. Rob talked with Karen Kosky, from the Macatawa area, and she is interested in the pilot project.

## II. Michigan State Government Geographic Information Policy Council

### A. State Agency Survey Development

Rob Surber, MIC, reported that the Policy Council met last month. The main effort of the Council is to do a survey for state government agencies. Rob distributed a draft of the survey for the group to comment on. State agencies have probably not done as good a job in inventorying what they are doing B matching users to producers, etc. The target audience for the survey is program area managers. It is not collecting Metadata, but general information

about types of data that are being created. This survey will go to all state departments. Some departments may have numerous contacts and some may only have one contact. The survey will be guided by themes. Rob asked that people direct comments to him by e-mail (surber@state.mi.us). A follow-up survey will be done to collect information regarding Metadata. This will be a starting point, from State government standpoint, for the clearinghouse.

## B. Enhanced Access Legislation

Rob Surber, MIC, distributed a copy of enhanced access legislation, Enrolled Senate Bill No. 1362.

Eric Swanson, MIC, stated that the 1996 version of the enhanced access legislation was lead by the counties in 1996. It allows government agencies to develop an enhanced access policy on access to county GIS (geographic information systems) data. The 1996 version also allows agencies to enter into inter-agency agreements. For example, if Oakland County were to share data with the State, no cost would be involved in a partnership exchange. If a third party FOIA's (Freedom of Information Act) the state for Oakland County's data, the enhanced access legislation would force the state to send the request to Oakland County. This legislation, signed in December, allows agencies to work with each other, protect those interested in locking their data up. It allows counties to develop policy on how to handle requests. The key is that the policy must be written and in place before receipt of a request.

## III. MDNR Projects and Activities

Gary Bilow, MDNR, stated that RMAP is working on the 40-acre grid. The Lower Peninsula is mostly done and the tri-county area has been delivered to the MIC. The Upper Peninsula is in production and they hope to have it done in another month. They still have to do Metadata for the counties that have been completed and run a final check of the attribute table. For access, contact Don McDonald. Gary distributed issues of the IMAGIN newsletter and announced a spring meeting to be held May 17 and 18 in Lansing. For more information, call IMAGIN at (248) 489-3972.

Bill Enslin, MSU Center for Remote Sensing and GIS, stated that enhanced access would be addressed in the next IMAGIN issue.

Gary Bilow, MDNR, stated that they are close to signing an agreement with U.S.G.S for the digital ortho photography. They want to fill in the blanks where there is no photography from the NAPP. The 1998 NAPP photography has been approved but doesn't fill in all the areas they need. They are trying to compile information to identify counties where there is enough coverage.

## IV. MDOT Projects and Activities

Pete Coscarelli, MDOT, stated that MDOT is working on getting attributes on the framework file - legal systems, Act 51 roads, functional class, etc. They need this for major products they will be working on. They have contracted with the Department of Corrections, MSI, to help with the attribution process. MDOT is reviewing the work that MSI has done to date. In-house MDOT has done eight counties.

Jim Best, MSI, stated that they have to be careful how they do work in Branch County because the prison is located in Coldwater, Branch County. They have completed the attribution on six of eleven counties. There are some minor problems and some adjustments are needed. This is an ongoing learning process. They have Act 51 maps that have one side or other cut off and they have returned them to MDOT. They estimate completion by February 2000. They are leaving the four counties in southeast Michigan for last. In the next two to three months they will be adding a second shift. They can't have more than one prisoner work on a county, because they end up with double lines. One prisoner, who is a leader in the shop, is due for parole in about a year and it will be a big

loss to their program. Another prisoner is leaving February 18th and has already been contacted by 3DI. MSI will be hiring and training eight new people. In one year they will be fairly seasoned to do the work and will be able to adapt to other types of work because of their training. All prisoners they have now will be gone in about two years.

Rob Surber, MIC, stated that quality control programs are ready for linear referencing system and topological issues and another quality control program for attribution. Both of those quality control programs will be in MDOT's hand and could possibly be run by MSI. The new attributes will be incorporated back onto the framework. Since MDOT is not doing any topological editing it will be fairly simple. Bridge identifications will also be on there.

## V. MIC Projects and Activities

### A. Statewide Land Database B EIS (Executive Information System)

Rob Surber, MIC, stated that they are looking at Internet technology as a possible vehicle for serving up EIS maps and data, which is information about land, buildings, and infrastructure. They are working with MSU Center for Remote Sensing and GIS and ESRI.

Pete Coscarelli, MDOT, stated that this is something that MDOT would be interested in. They have been looking for a way to bring up the state and query by PR (physical reference) number and mile point at a location. The EIS seems to be a good way to do it.

Rob Surber, MIC, stated that framework will be the base but there will be sites and other information. The initial development points are in process.

### B. Census 2000 Enhanced Access

Rob Surber, MIC, distributed status maps. The MIC is cleaning up city and township boundaries, and precinct and legislative district boundaries on the framework both for 1998 and 1996 general election boundaries. They are beginning to work on the SEMCOG area to make sure the polygons are complete in that area for vintage election geography. SEMCOG has done the city and township boundaries in that area. This ties into the QVF (qualified voter project) project and materials from QVF for mapping.

## VI. MDEQ Project and Activities

Steve Miller, DEQ, stated that DEQ has purchased MapObjects and IMS (Internet Map Server) map server and are looking at using this for dissemination of information for Internet. IMS is not a simple technology and they need to work on it. DEQ is interested in what direction other agencies might take when looking for a browser. They have it installed and served out some ArcExplorer projects. They have also purchased SDE to interact with their new server. Definitely need help to set it up. They are interested in sharing their technology to benefit from what others are using. As a pilot project, they have an ArcExplorer project with the location of all the public water supplies in the state. They also have Eaton County with the base map layer with all the wells and the protection areas in detail along with the digital raster graphics. One thing project they want to get out is Well Head Program for the tri-county area. They have static maps on the Internet for the delineated areas and there are different laws that apply for that area. They are trying to create an interactive map for people to zoom in on and get information about the wells and potential sources of contamination. They are in the second year of their contract with MSU for Source Water Assessment for all the public water supplies. They are trying to get information to the county health departments that will help them in their assessments B that includes framework data and LandScan. The federal government told DEQ to do a source water assessment of all public water supplies for the state and gave DEQ about \$6 million to do the project. A portion of the funds, about \$2 million, will go to ground water.

## VII. SEMCOG Projects and Activities

Steve Perry, SEMCOG, stated that they are continuing with Metadata development and they are creating their own data dictionary for their coverage holdings before putting data on the web. A majority of the GIS operations that they have fall under their GIS infrastructure and they also have federal funds that support their transportation activities. Then SEMCOG provides the data to the membership communities.

## VIII. Tri-County Regional Planning Commission Projects and Activities

Nobody present.

## IX. MSU Center for Remote Sensing and GIS Projects and Activities

Bill Enslin, MSU Center for Remote Sensing and GIS, stated that they have classes set for the calendar year, including ArcView for map design and forest image interpretation. There will be a more generic course offered later this year, an introduction to air photo interpretation. MSU had repackaged the DRGs into county coverages in the Michigan GeoRef coordinate space and they are talking with the Natural Resources Conservation Service and U.S.G.S. who would like MSU to clip out the legend information and keep in UTM (Universal Transverse Mercator) coordinate space and add other data onto CD ROM. A UTM clip version will be available. The process uses training computers when class is not in session. They will probably be able to do in state plane also.

## X. County / Local Projects and Activities

Eric Mullen, Genesee County, stated that they held a meeting among county government managers to find out what data is out there and who is doing what. They may have scared away as many people as they encouraged, based on the GIS questions they asked. Now they are trying to meet with technical people. The planning department got an initiative for \$750,000 to improve safety on rail crossings in Debbie Stebnow's district. Will try to collect data from various sources and insert that on the rail crossings (not just the rail) including gates, arms, crossbucks and all safety issues. This is a high priority project and the money is to be spent before 2003.

Rob Surber, MIC, suggested that Genesee County consider talking to MDOT, since those crossing are being identified in framework.

Pete Coscarelli, MDOT, commented that he has heard of preliminary talks with UPTRAN about putting rail in framework.

Eric Mullen, Genesee County, stated that the maintenance is done by railroad companies. If a deficiency is found in the rail, the railroad company is mandated to upgrade the crossing. Unless there is money there, the railroad company doesn't really want to talk about it.

Jeroen Wagendorp, Allegan County, stated that he had nothing to report.

Zubair Ahmad, City of Lansing, stated that the assessor's office, public service, and city planning office are putting together coverages in ArcView. They had a small pilot project with Public Service Department that has street coverage and parcels. It is still in the stage of being produced and they are working with a consultant. The pilot project will be completed by next month (85% complete now.)

Rob Surber, MIC, stated that the MIC is finishing the work on Ingham County in Phase 2 and offered to help the City look at that information and compare it with they may have. Tri-County Planning Commission is planning on using framework for their daily business and they could also be a good link.

#### XI. U.S. Census Bureau Regional Office TIGER Update

Nobody is present.

#### XII. Federal Projects and Activities

Bill Kempisty, U.S. Army Corp of Engineers, stated that he brought a disc of the Detroit River in Mr. Sid format. The DRGs have been renamed and he expects a link on their web page soon.

Rob Surber, MIC, stated that Roger Gauthier of the Corp is interested in the NHD(National Hydrological Dataset) and they are trying to get a feel for when the U.S.G.S. is going to produce this NHD. They have not been able to get a firm date. The Corp wants the data to be 1:12,000 scale. The MIC received the DOQ coverage along the Lake Michigan shoreline.

#### XIII. Other Issues

Tina Scott, Department of State, stated that she had nothing to report.

#### XIV. Next Meeting Date

Thursday, March 11, 1999, 10 a.m. until noon, Lewis Cass Building, 320 S. Walnut, Lansing, MI 48933 - 6th Floor, North Wing, Dept. of Community Health, Director's Conference Room

\*\* If any changes or corrections are to be made to these minutes, please contact the Michigan Information Center at (517) 373-7910